MULTI-USE HYGIENIC CLEANSING DEVICE

DESCRIPTION

This invention relates to an improved douche, colon and genital cleansing device and especially as an improvement to the reusable douche, colon and genital cleansing preparation container, and its components, capable of being used while seated on a toilet or standing in a tub.

BACKGROUND OF THE INVENTION

Many women find rinsing away remaining sangure fluid a beneficial aspect of douching shortly after the menstrual cycle. Colon cleansing also provides a health benefit to the user. While most women in this country douche, all cleanse externally. Colon cleansing is also a process that is beneficial to both female and their male counterparts. Presently, by today's standards, the available douches and enema preparations are regarded for the most part as safe, convenient, but are ineffective in volume for proper cleansing. Multiple containers are required to perform an effective cleansing.

In addition, disposable douches create more waste for the environment and also have the propensity to allow air into the vagina which consequently can cause painful discomfort to the user. Another problem associated with disposable douches is the

possibility of a backflush which will occur if the user releases prior art squeeze bottles without removing the transfer nozzle from vaginal or anal cavity. The result of this is the contamination of the preparation within the container. A study published by the American Journal of Public Health states douching often may reduce a woman's chance of becoming pregnant during a particular month by approximately thirty percent. Douching often changes the delicate chemical balance of the vagina and can make a woman more susceptible to vaginal irritations and infections.

Prior art reusable douche/enema devices are constructed of rubber and the douche/enema preparation is administered directly from the rubber bag. These types of douche/enema bags are very dangerous. It has been found that these rubber douche/enema bags harbor a perfect environment for a variety of pathogens which increases their ineffectiveness, the introduction of air into the vaginal or anal cavity and potential danger due to pathogen growth within the rubber bag. Also, the prior art advocated the use of tap water which, by today's standards, is not acceptable for internal use.

THE OBJECT OF THE INVENTION

It is an object of the invention to provide an improved, reusable douching, enema and genital cleansing delivery device, a cleansing that is safe, convenient and efficient while seated on a toilet or standing in the tub respectively.

Another object is to avoid problems associated with prior art douching and enema devices.

A further object of the invention is to provide a volume sensitive valve to dramatically reduce the introduction of air into the vagina or anal cavity and to prevent the backflush effect that will contaminate the preparation in the container when administering a douche or enema preparation which is accomplished via the use of a ball check incorporated within the control valve.

Another object of the invention is to facilitate the use of the hygienic feminine/colon and genital cleansing device by allowing one hand manipulation of said device.

Furthermore, the use of Microban Technology will inhibit the growth of bacteria within the container and its components.

Various other objects and advantages of the invention will become obvious from the following detailed description.

SUMMARY OF THE INVENTION

In accordance with the invention, the douche/enema and genital cleansing device comprises a rigid/flexible container, a retainer secured to the lowermost portion of

rigid/flexible container, a short length of flexible hollow tubing affixed to the lower portion of said retainer, a control valve connected to the lowermost portion of the flexible hollow tubing, an adequate length of flexible hollow tubing connected to lowermost portion of the control valve and the nozzle of choice connected to the lowermost portion of adequate length of flexible hollow tubing.

In a preferred embodiment of the invention, the container is constructed of flexible or rigid plastic that is formulated with Microban technology. The additional components of the device are also formulated with the same Microban technology.

With the use of Microban technology, this invention can provide the user with a reusable, pathogen free hygienic cleansing device that is more economical, earth friendly and easy to use.

In the invention, the container is preferably capable of holding and administering one quart of the chosen preparations or water for any of the various cleansing applications.

Another aspect of the flexible container is that it can be constructed in an accordion shape so that it is more compact and therefore requires less storage area.

This invention can also serve as a device for medical cleansing at home, in hospitals or when traveling.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1A is a frontal view of the rigid preparation container with a removable vented fill cap and strapping groove.

FIG. 1B is a top view of the volume sensitive.

FIG. 1C is a frontal view of the retainer with bared tube.

FIG. 2 is a frontal view of the flexible preparation container with hanging eyelets and removable vented fill cap.

FIG. 3A is a top view of the container and removable vented fill cap.

FIG. 3B is a side view of the removable vented fill cap.

FIG. 4 is a side view of the short flexible tubing, the control valve with ball check and an adequate length of flexible hollow tubing.

FIG. 5A is a view of the top of the ball check.

FIG. 5B is a side view of the control valve with ball check and barbed rigid tubes.

FIG. 5C is a view of the bottom of the ball check.

FIG. 6A is a side view of the vaginal cleansing nozzle.

FIG. 6B is a side view of the colon cleansing nozzle.

FIG. 6C is a side view of the genital cleansing nozzle.

FIG. 6D is a bottom view of the vaginal cleansing nozzle.

FIG. 6E is a bottom view of the colon cleansing nozzle.

FIG. 6F is a bottom view of the genital cleaning nozzle.

DESCRIPTION OF A PREFERRED EMBODIMENT

Referring to FIG. 1A, the ideal quintessence of the reusable vaginal/colon and genital cleansing device of the invention consists of a vented fill cap 28, a rigid transparent container 22, a groove 23 that is incorporated around the widest point of rigid transparent container 22 which is used to hold container 22 in an optical storing case. The container 22 is preferably shaped in the likeness of the female uterus with a threaded removable vented cap 28 screwed onto the internal threads 19 on the top of container 22. Vented cap 28 has two stop tables 17 incorporated onto it to allow the opening and

closing of the venting area. A volume sensitive valve 27 is installed within the top of retainer 24. The internal threads 18 of the retainer 24 are matched and attached to the external threads 25 on container 22.

The container 22 is constructed of a durable rigid/flexible transparent plastic such as polyethylene to facilitate the viewing of the preparation or fluid level and is formulated with Microban technology. The container 22 should be capable of holding approximately one quart of the various preparations.

FIG. 1B depicts a volume sensitive vale 27.

FIG. 1C depicts an internally threaded 18 retainer 24 and a barbed tube 26.

FIG. 2, as shown, incorporates all the attributes of the present invention as shown in FIG. 1A, but is constructed with hanging eyelets 21 that are located on both sides of container 20 made of a pliable transparent plastic, which can collapse like an accordian so that it may be carried in a small portable pouch. Internal threads 18 on retainer 24 are attached to the external threads 25 on either container 20 or 22. A short flexible transparent hollow tubing 33 is connected to the rigid hollow transparent barbed tube 26 on retainer 24. The opposite end of the flexible hollow tubing 33 is connected to the top of control valve 32, then an adequate length of flexible hollow transparent tubing 30 is connected onto the bottom of control valve 32. The douche, enema and genital cleansing device has

three cleansing nozzles, one is for vaginal cleansing 38, another is for colon cleansing 39 and the third is for external cleansing 40 of FIGS. 6A to 6C.

FIG. 3A depicts a top view of the vented fill cap 28 with plastic mesh 16 for venting, stop tabs 17 to open or close vent of container 20 or 22.

FIG. 3B depicts a side view of the vented fill cap 28 with thumb turn 15 and threads 14.

FIG. 4 depicts a retainer 24, a short flexible hollow transparent tube 33, control valve 32 with ball check 35 and an adequate length of flexible hollow tubing 30.

FIG. 5A depicts the opening 34 at the top portion of the ball check 35 and FIG. 5B depicts the control valve 32, thumb turn 31 with barbed rigid tubes 36 and ball check 35.

FIG. 5C depicts the opening 37 at the bottom portion of the ball check 35.

FIG. 6A depicts the vaginal nozzle 38 with internal threads 44 for attaching onto an adequate length of flexible tube. FIG. 6B depicts the enema nozzle 39 with external threads 44 for attaching onto an adequate length of flexible tube. FIG. 6C depicts the genital cleaning nozzle 40 with external threads 44 for attaching onto an adequate length of flexible hollow tube.

FIG. 6D depicts the bottom end 41 of the vaginal cleansing nozzle 38 while FIG. 6E depicts the bottom end 42 of the genital cleansing nozzle 39. FIG. 6F depicts the bottom end 43 of the enema nozzle 40.

Various modifications of the device may be made without departing from the spirit or scope thereof.